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Application No. 10/771,803
Amendment dated
Reply to Office Action of June 14, 2007

Docket No.: 023189.0101PTUS

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on page 5, line 24, as follows:

In order to support and relieve the strain on the respiratory pump the patient's spontaneous respiration is detected by sensor and at the end of an inhalation process of the lungs an additional amount of oxygen is administered. This respiratory flow is illustrated in the right half of FIG. 2. The additional amount of oxygen increases the respiratory volume during inhalation according to curve E2 by the difference volume shown darkened in the upper curve and designated by E3. The additional amount of oxygen can have a volume between 25 ml and ~~150 mm~~ 150 ml.

Please amend the paragraph beginning on page 8, line 4, as follows:

Oxygen pump 1 functions in the apparatus during the support of respiration as follows: When valve V1 is open from c to a (b to c closed) and valve V2 open from b to 3 e (e to d closed), piston 20 moves to the left in the plane of the figure and the oxygen flows via outlet 22 and jet catheter 5 to patient P. The additional amount of oxygen E3 is administered during the inhalation process of patient P.

Please add the following paragraphs on page 4 after line 22:

Fig. 8A shows a ventilation catheter including two lumens.

Fig. 8B shows a cross section of Fig. 8A.

Please add the following paragraph on page 9, after line 10:

Figs. 8A and 8B show an optional embodiment in which the catheter has two lumens. Catheter 28 is shown with a first lumen 40 used for gas flow during the inhalation phase, and a second lumen 41 used for gas flow during the exhalation phase. In addition, a conducting element 43 is shown integrated into the catheter for conducting the breath sensor signal back to the control unit.